



OIPE

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/023,831A

DATE: 06/27/2002

TIME: 13:07:29

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\06272002\J023831A.raw

3 <110> APPLICANT: VAUGHAN, Paul R.  
4 GALANIS, Maria  
5 RAMSHAW, John A.M.  
6 WERKMEISTER, Jerome A.  
8 <120> TITLE OF INVENTION: METHOD FOR PRODUCING, IN YEAST, A HYDROXYLATED TRIPLE  
HELICAL PROTEIN,  
9 AND YEAST HOST CELLS USEFUL IN SAID METHOD  
11 <130> FILE REFERENCE: Q67867  
13 <140> CURRENT APPLICATION NUMBER: 10/023,831A  
C--> 14 <141> CURRENT FILING DATE: 2002-06-14  
16 <150> PRIOR APPLICATION NUMBER: US 09/297,269  
17 <151> PRIOR FILING DATE: 1999-04-28  
19 <150> PRIOR APPLICATION NUMBER: PO3310  
20 <151> PRIOR FILING DATE: 1996-10-29  
22 <150> PRIOR APPLICATION NUMBER: PO4306  
23 <151> PRIOR FILING DATE: 1996-12-19  
25 <150> PRIOR APPLICATION NUMBER: PCT/AU97/00721  
26 <151> PRIOR FILING DATE: 1997-10-29  
28 <160> NUMBER OF SEQ ID NOS: 52  
30 <170> SOFTWARE: PatentIn version 3.1  
32 <210> SEQ ID NO: 1  
33 <211> LENGTH: 26  
34 <212> TYPE: DNA  
35 <213> ORGANISM: Unknown  
37 <220> FEATURE:  
38 <223> OTHER INFORMATION: Synthetic Construct  
40 <400> SEQUENCE: 1  
41 ctgtagagga tccccgggta cggagc 26  
44 <210> SEQ ID NO: 2  
45 <211> LENGTH: 23  
46 <212> TYPE: DNA  
47 <213> ORGANISM: Unknown  
49 <220> FEATURE:  
50 <223> OTHER INFORMATION: Synthetic Construct  
52 <400> SEQUENCE: 2  
53 ttatattgaa ttctcaaaaa ttc 23  
56 <210> SEQ ID NO: 3  
57 <211> LENGTH: 32  
58 <212> TYPE: DNA  
59 <213> ORGANISM: Unknown  
61 <220> FEATURE:  
62 <223> OTHER INFORMATION: Synthetic Construct  
64 <400> SEQUENCE: 3  
65 tgtaaaatta aaggatccca aagatgtggt at 32

## RAW SEQUENCE LISTING

DATE: 06/27/2002

PATENT APPLICATION: US/10/023,831A

TIME: 13:07:29

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\06272002\J023831A.raw

```

68 <210> SEQ ID NO: 4
69 <211> LENGTH: 30
70 <212> TYPE: DNA
71 <213> ORGANISM: Unknown
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Synthetic Construct
76 <400> SEQUENCE: 4
77 gccgggatcc tgtcattcca atgacaacgt          30
80 <210> SEQ ID NO: 5
81 <211> LENGTH: 44
82 <212> TYPE: DNA
83 <213> ORGANISM: Unknown
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Synthetic Construct
88 <400> SEQUENCE: 5
89 actggacgga tcccgagcgc cccgcctgct ccgtgtccga catg          44
92 <210> SEQ ID NO: 6
93 <211> LENGTH: 24
94 <212> TYPE: DNA
95 <213> ORGANISM: Unknown
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Synthetic Construct
100 <400> SEQUENCE: 6
101 ggttctcctt ggtgacctcc cctt          24
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 24
106 <212> TYPE: DNA
107 <213> ORGANISM: Unknown
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Synthetic Construct
112 <400> SEQUENCE: 7
113 gaaggggagg tcaccaagga gaac          24
116 <210> SEQ ID NO: 8
117 <211> LENGTH: 36
118 <212> TYPE: DNA
119 <213> ORGANISM: Unknown
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Synthetic Construct
124 <400> SEQUENCE: 8
125 ccttcaggat cctattagac ttcattcttc aacagc          36
128 <210> SEQ ID NO: 9
129 <211> LENGTH: 44
130 <212> TYPE: DNA
131 <213> ORGANISM: Unknown
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Synthetic Construct
136 <400> SEQUENCE: 9
137 actggaacgga tcccgagcgc cccgcctgct ccgtctccga catg          44
140 <210> SEQ ID NO: 10

```

## RAW SEQUENCE LISTING

DATE: 06/27/2002

PATENT APPLICATION: US/10/023,831A

TIME: 13:07:29

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\06272002\J023831A.raw

```

141 <211> LENGTH: 35
142 <212> TYPE: DNA
143 <213> ORGANISM: Unknown
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Synthetic Construct
148 <400> SEQUENCE: 10
149 ccttcaggat cctattagac ttcatctttc acagc 35
152 <210> SEQ ID NO: 11
153 <211> LENGTH: 39
154 <212> TYPE: DNA
155 <213> ORGANISM: Unknown
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Synthetic Construct
160 <400> SEQUENCE: 11
161 ctagttgaat tctacacaat gctgcgccgc gctctgctg 39
164 <210> SEQ ID NO: 12
165 <211> LENGTH: 36
166 <212> TYPE: DNA
167 <213> ORGANISM: Unknown
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Synthetic Construct
172 <400> SEQUENCE: 12
173 gcaatggaat tcttattaca gttcgtgcac agcttt 36
176 <210> SEQ ID NO: 13
177 <211> LENGTH: 4
178 <212> TYPE: PRT
179 <213> ORGANISM: Yeast
181 <400> SEQUENCE: 13
183 His Asp Glu Leu
184 1
187 <210> SEQ ID NO: 14
188 <211> LENGTH: 5
189 <212> TYPE: PRT
190 <213> ORGANISM: Mammalian
192 <400> SEQUENCE: 14
194 Lys Asp Ala Glu Leu
195 1 5
198 <210> SEQ ID NO: 15
199 <211> LENGTH: 42
200 <212> TYPE: DNA
201 <213> ORGANISM: Unknown
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Collagen Type III
206 <400> SEQUENCE: 15
207 gctagcaagc ttggagctcc aggcccactt gggattgctg gg 42
210 <210> SEQ ID NO: 16
211 <211> LENGTH: 45
212 <212> TYPE: DNA
213 <213> ORGANISM: Unknown

```

## RAW SEQUENCE LISTING

DATE: 06/27/2002

PATENT APPLICATION: US/10/023,831A

TIME: 13:07:29

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\06272002\J023831A.raw

```

215 <220> FEATURE:
216 <223> OTHER INFORMATION: Collagen Type III
218 <400> SEQUENCE: 16
219 tcgcgatcta gattataaaa agcaaacagg gccaacgtcc acacc      45
222 <210> SEQ ID NO: 17
223 <211> LENGTH: 6
224 <212> TYPE: DNA
225 <213> ORGANISM: Unknown
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Synthetic Construct
230 <400> SEQUENCE: 17
231 gctagc      6
234 <210> SEQ ID NO: 18
235 <211> LENGTH: 6
236 <212> TYPE: DNA
237 <213> ORGANISM: Unknown
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Synthetic Construct
242 <400> SEQUENCE: 18
243 aagctt      6
246 <210> SEQ ID NO: 19
247 <211> LENGTH: 6
248 <212> TYPE: DNA
249 <213> ORGANISM: Unknown
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Synthetic Construct
254 <400> SEQUENCE: 19
255 tctaga      6
258 <210> SEQ ID NO: 20
259 <211> LENGTH: 6
260 <212> TYPE: DNA
261 <213> ORGANISM: Unknown
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Synthetic Construct
266 <400> SEQUENCE: 20
267 tcgcga      6
270 <210> SEQ ID NO: 21
271 <211> LENGTH: 21
272 <212> TYPE: PRT
273 <213> ORGANISM: Unknown
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Synthetic Construct
278 <400> SEQUENCE: 21
280 Asp Tyr Lys Asp Asp Asp Lys Ala Ser Lys Leu Gly Ala Pro Gly
281 1           5           10           15
284 Pro Leu Gly Ile Ala
285           20
288 <210> SEQ ID NO: 22
289 <211> LENGTH: 9

```

## RAW SEQUENCE LISTING

DATE: 06/27/2002

PATENT APPLICATION: US/10/023,831A

TIME: 13:07:29

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\06272002\J023831A.raw

290 <212> TYPE: PRT  
291 <213> ORGANISM: Unknown  
293 <220> FEATURE:  
294 <223> OTHER INFORMATION: Synthetic Construct  
296 <400> SEQUENCE: 22  
298 Gly Pro Pro Gly Pro Pro Gly Leu Ala  
299 1 5  
302 <210> SEQ ID NO: 23  
303 <211> LENGTH: 9  
304 <212> TYPE: PRT  
305 <213> ORGANISM: Unknown  
307 <220> FEATURE:  
308 <223> OTHER INFORMATION: Synthetic Construct  
310 <400> SEQUENCE: 23  
312 Gly Pro Pro Gly Pro Pro Gly Glu Arg  
313 1 5  
316 <210> SEQ ID NO: 24  
317 <211> LENGTH: 9  
318 <212> TYPE: PRT  
319 <213> ORGANISM: Unknown  
321 <220> FEATURE:  
322 <223> OTHER INFORMATION: Synthetic Construct  
324 <400> SEQUENCE: 24  
326 Gly Pro Pro Gly Pro Pro Gly Pro Ala  
327 1 5  
330 <210> SEQ ID NO: 25  
331 <211> LENGTH: 9  
332 <212> TYPE: PRT  
333 <213> ORGANISM: Unknown  
335 <220> FEATURE:  
336 <223> OTHER INFORMATION: Synthetic Construct  
338 <400> SEQUENCE: 25  
340 Gly Pro Pro Gly Pro Pro Gly Ala Pro  
341 1 5  
344 <210> SEQ ID NO: 26  
345 <211> LENGTH: 9  
346 <212> TYPE: PRT  
347 <213> ORGANISM: Unknown  
349 <220> FEATURE:  
350 <223> OTHER INFORMATION: Collagen Type III  
352 <400> SEQUENCE: 26  
354 Gly Leu Ala Gly Ala Pro Gly Leu Arg  
355 1 5  
358 <210> SEQ ID NO: 27  
359 <211> LENGTH: 45  
360 <212> TYPE: PRT  
361 <213> ORGANISM: Unknown  
363 <220> FEATURE:  
364 <223> OTHER INFORMATION: Synthetic Construct

VERIFICATION SUMMARY

DATE: 06/27/2002

PATENT APPLICATION: US/10/023,831A

TIME: 13:07:30

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\06272002\J023831A.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date